



INSTRUCTIONS

-J04963

REV. 2012-07-16

FRONT STINGER WHEELS

GENERAL

WARNING

Install only wheels and installation kits approved for your model motorcycle. Contact a Harley-Davidson dealer to verify fitment. Mismatching wheels and installation kits or installing wheels not approved for your model can cause loss of control, which could result in death or serious injury. (00610c)

Kit Numbers

47831-10, 41503-10

Models

For model fitment information, see the P&A Retail Catalog or the Parts and Accessories section of www.harley-davidson.com (English only).

Additional Parts Required

Accessory hub caps are not compatible with this wheel.

This kit includes the custom wheel only.

Proper installation of this kit requires the separate purchase of a tire (41999-07A).

Proper installation of this kit requires the separate purchase of the following parts which are available at a Harley-Davidson dealer:

- Wheel Installation Kit (See Table 2 through Table 4 to determine required installation kit.)
- **For Kit 47831-10:** 10 Brake Disc/Hub Cap Screws (3655A) or 2 Chrome screw kits (46646-05)
For Kit 41503-10: 5 Brake Disc/Hub Cap Screws (3655A) or Chrome screw kit (46646-05)
- Wheel Bearing Remover and Installer (94134-09)

For FLSTSB Models: Separate purchase of Hardware Kit (41533-10) is required for proper installation of this kit.

WARNING

The rider's safety depends upon the correct installation of this kit. Use the appropriate service manual procedures. If the procedure is not within your capabilities or you do not have the correct tools, have a Harley-Davidson dealer perform the installation. Improper installation of this kit could result in death or serious injury. (00333a)

NOTE

This instruction sheet references service manual information. A service manual for your model motorcycle is required for this installation and is available from a Harley-Davidson dealer.

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Many Harley-Davidson® Parts & Accessories are made of plastics and metals which can be recycled.

Please dispose of materials responsibly.

Kit Contents

See Figure 1 and the Service Parts Tables.

Recommended Additional Parts

The following Harley-Davidson Genuine Motor Accessories are recommended for proper maintenance and cleaning:

- Harley® Bright™ Chrome Cleaner (94683-99)
- Harley® Glaze™ Polish and Sealant (99701-84)
- Harley® Wheel and Spoke Brush (43078-99)
- Harley-Davidson® Wheel and Tire Cleaner (94658-98)
- Harley® Preserve™ Bare Aluminum Protectant (99845-07)

INSTALLATION

1. Remove existing front wheel assembly. Save axle, axle nut, brake disc and wheel spacers for kit installation. See the service manual.

NOTICE

Do not re-use brake disc/rotor screws. Re-using these screws can result in torque loss and damage to brake components. (00319c)

NOTE

For kit 41503-10 install short valve stem (43157-83A) included in the installation kit.

For kit 47831-10 install long valve stem (43206-01) included in the installation kit.

2. See Figure 1. Install valve stem assembly (L or M) on wheel. See the service manual.
3. Assemble wheel installation kit components and brake disc(s) to wheel, using the appropriate service parts table. See the service manual.

If Installing Kit 41503-10 on a FLSTSB Model: Install sleeve from hardware kit (41533-10).

NOTE

For FLSTSB Models: The primary bearing will protrude from the bearing bore slightly when fully seated.

4. Install primary bearing with a Wheel Bearing Remover and Installer. See the service manual. The primary side of the wheel is the brake disc side.

For Kit 47831-10: The primary side of the wheel is indicated by the single groove machined into the rotor mounting face.

For Kit 41503-10: The brake rotor mounting face indicates the primary bearing side.

NOTE

Only install the required (separately purchased) tire.

If the wheel has a yellow dot sticker on the rim, orient the tire so the white dot is opposite of the sticker. If the wheel has a green dot sticker on the rim, orient the tire so the white dot is aligned with the sticker. If no rim dot sticker is present, see the service manual.

5. Install separately purchased tire (41999-07A). See the service manual.

6. Install spacers (previously removed).

If Installing Kit 41503-10 on a FLSTSB Model: Discard the axle spacer between the fork and left side of the wheel and use the axle spacer from the Hardware Kit (41533-10, purchased separately).

7. Install front wheel (1) and stock axle. See the service manual.

MAINTENANCE AND CLEANING

Chrome parts must be maintained regularly so they keep their original shine and luster.

1. Clean heavily-soiled wheel surfaces using Harley-Davidson Wheel and Tire Cleaner, applied with Harley Wheel and Spoke Brush.
2. Thoroughly clean chrome with a good quality chrome cleaner, such as Harley Bright Chrome Cleaner.
3. After cleaning and polishing, seal the finish with a good quality sealer, such as Harley Glaze Polish and Sealant.

SERVICE PARTS

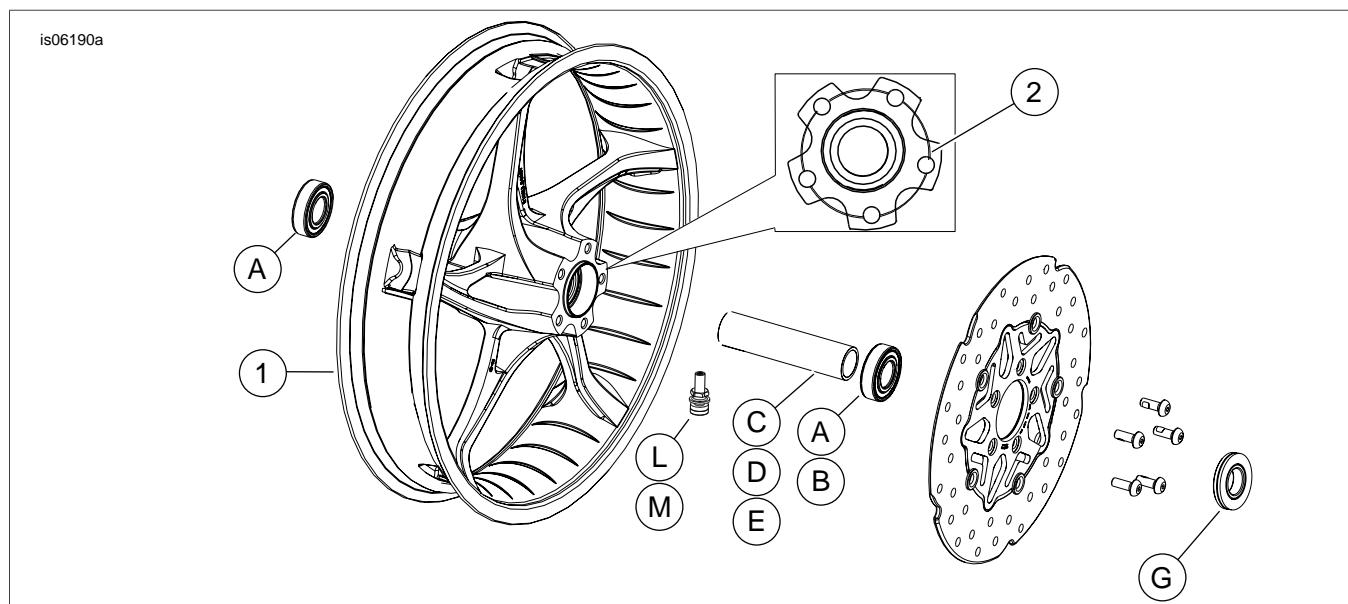


Figure 1. Service Parts: Front Stinger Wheel

Table 1. Service Parts and Wheel Kit Contents

Kit	Item	Description (Quantity)	Part Number
47831-10, 41503-10	1	Wheel	Not Sold Separately
Visual indicator mentioned in text:			
	2	Machined groove (all wheels)	

Table 2. FRONT 3/4 Inch Bearing Wheel Installation Kit (43833-07A)

FRONT 3/4 Inch Bearing Wheel Installation Kit (43833-07A)		ITEM (Quantity Used and Description)									
Fitment	Wheel Size	A	C	D	E	G	H	I	L	M	
2000-2006 FLST and FLSTF (except 2006 FLSTFSE2)	16 x 3.0 in	2	0	1	0	0	0	0	*	*	
2000-2006 FLSTC and FLSTN	16 x 3.0 in	2	0	1	0	0	0	1	*	*	
2006 FLSTFSEi	17 x 3.5 in	2	0	1	0	0	0	1	*	*	
2008-later FLSTSB	18 x 3.5 in	2	0	***	0	***	0	0	*	*	
2000-2007 XL; 2000-2003 Dyna (except FXDWG)	19 x 2.5 in	2	0	0	1	0	0	0	*	*	
2000-2007 XL; 2000-2003 Dyna (except FXDWG)	21 x 2.15 in	2	0	0	1	0	0	0	*	*	
2000-2006 FXST/B/C; 2000-2005 FXDWG**	21 x 2.15 in	2	1	0	0	0	0	0	*	*	
2000-2006 FXSTS**	21 x 2.15 in	2	1	0	0	0	1	0	*	*	
2000-2006 FXSTD (Except FXSTDSE)**	21 x 2.15 in	2	1	0	0	1	0	0	*	*	
Installation kits are designed to work with many different wheel styles and fitments. Contact a Harley-Davidson dealer to verify that the wheel and installation kits are both designed and approved for the motorcycle they are being installed on.		A	Bearing, regular (2)			9267					
		C	Axe sleeve			43536-00					
		D	Axe sleeve			43608-00					
		E	Axe sleeve			43613-00					
		G	Spacer, axle			40910-00A					
		H	Spacer, axle			43313-98					
		I	Spacer, wheel			43617-00A					
		L	Valve stem, short			43157-83A					
		M	Valve stem, long			43206-01					

Table 3. FRONT 25 mm Bearing Wheel Installation Kit (43851-11A)

FRONT 25 mm Bearing Wheel Installation Kit (43851-11A)		ITEM (Quantity Used and Description)								
Fitment	Wheel Size	A	C	G	H	J	L	M	N	
2007 and later FLSTC, FLSTN and FLS (non-ABS)	16 x 3.0 in	2	1	0	1	1	*	*	*	
2008 and later FXDF	16 x 3.0 in	2	1	0	0	0	*	*	*	
2007 and later FLSTF and FLSTFB (non-ABS)	17 x 3.5 in	2	1	0	0	0	*	*	*	
2008 and later FLSTF and FLSTFB (non-ABS)	18 x 3.5 in	2	1	0	0	0	*	*	*	
2008 and later FXDF; 2012 and later FLD	18 x 3.5 in	2	1	0	0	0	*	*	*	
2007 and later FXS, FXST/B/C (non-ABS); 2008 and later FXDWG***	21 x 2.15 in	2	1	0	0	1	*	*	*	
2007 FXSTD***	21 x 2.15 in	2	1	1	0	1	*	*	*	
Installation kits are designed to work with many different wheel styles and fitments. Contact a Harley-Davidson dealer to verify that the wheel and installation kits are both designed and approved for the motorcycle they are being installed on.		A	Bearing, regular (2)			9276				
NOTES:		C	Axe sleeve			41349-07				
* See <i>NOTE</i> above valve installation step in INSTALLATION to determine which valve stem to use for your particular kit. Discard other valve stem(s).		G	Spacer, axle			41504-07				
** Bearing shim installed under the primary bearing.		H	Spacer, axle			41695-07				
*** The left side of the wheel is the primary bearing side for this fitment.		J	Bearing shim**			43315-07				
		L	Valve stem, short			43157-83A				
		M	Valve stem, long			43206-01				
		N	Valve stem, pull-thru			40999-87				

Table 4. FRONT 25 mm Bearing ABS Wheel Installation Kit (43093-11A)

FRONT 25 mm Bearing ABS Wheel Installation Kit (43093-11A)		ITEM (Quantity Used and Description)									
Fitment	Wheel Size	A	B	C	D	G	J	K	L	M	N
2011 and later FLSTC, FLSTN and FLS with ABS	16 x 3.0 in	1	1	1	0	1	0	1	*	*	*
2012 and later FXDF with ABS	16 x 3.0 in	1	1	1	0	0	0	0	*	*	*
2011 and later FLSTF and FLSTFB with ABS	17 x 3.5 in	1	1	1	0	0	0	0	*	*	*
2011 and later FLSTF and FLSTFB with ABS	18 x 3.5 in	1	1	1	0	0	0	0	*	*	*
2012 and later FXDF and FLD with ABS	18 x 3.5 in	1	1	1	0	0	0	0	*	*	*
2011 and later FXCWC with ABS	19 x 2.15 in	1	1	0	1	0	0	0	*	*	*
2011 and later FXCWC with ABS	19 x 2.5 in	1	1	0	1	0	1	0	*	*	*
2011 and later FXS, FXST and 2012 and later FXDWG with ABS	21 x 2.15 in	1	1	1	0	0	0	1	*	*	*
Installation kits are designed to work with many different wheel styles and fitments. Contact a Harley-Davidson dealer to verify that the wheel and installation kits are both designed and approved for the motorcycle they are being installed on.		A	Bearing, regular			9276					
NOTES:		B	Bearing, ABS**			9252					
* See <i>NOTE</i> above valve installation step in INSTALLATION to determine which valve stem to use for your particular kit. Discard other valve stem(s).		C	Axe sleeve			41349-07					
** Red side of bearing must be installed toward the wheel. The ABS bearing is the primary bearing.		D	Axe sleeve			41548-08					
*** Bearing shim installed under the primary bearing.		G	Spacer			41695-07					
		J	Bearing shim***			41448-08					
		K	Bearing shim***			43315-07					
		L	Valve stem, short			43157-83A					
		M	Valve stem, long			43206-01					
		N	Valve stem, pull-thru			40999-87					